



2FW

Attorney Docket No. 5051-631

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Robin Pierce Gardner

Confirmation No.: 8467

Serial No.: 10/820,632

Group Art Unit: 2882

Filed: April 8, 2004

For: GAMMA RAY DETECTORS HAVING IMPROVED SIGNAL-TO-NOISE RATIO  
RELATED SYSTEMS AND METHODS FOR ANALYZING MATERIALS IN AN OIL  
WELL

September 22, 2004

Mail Stop Amendment  
Commissioner for Patents  
Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Sir:

Attached is a form PTO-1449, together with a copy of any listed foreign patent document and/or non-patent literature. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the waiver by the U.S. Patent and Trademark Office of requirements under 37 C.F.R. § 1.98(a)(2)(i) for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003. It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.56 and Section 609 of the MPEP.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(b), within three months of the filing date of the above-referenced application or before the mailing of a first Office Action on the merits, whichever event occurs last. Therefore, no fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,

Laura M. Kelley  
Registration No. 48,441  
Attorney for Applicants

**Customer Number 20792**  
Myers Bigel Sibley & Sajovec, P.A.  
P.O. Box 37428  
Raleigh, NC 27627

**Certificate of Mailing under 37 CFR 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 22, 2004.

  
Elizabeth J. Porter

|  |  |  |  |                                    |  |                          |  |
|--|--|--|--|------------------------------------|--|--------------------------|--|
| <b>FORM PTO-1449 U.S. Department of Commerce<br/>Patent and Trademark Office</b>   |  |  |  | Attorney Docket Number<br>5051-631 |  | Serial No.<br>10/820,632 |  |
| <div style="display: flex; align-items: center;"> <div> <p>LIST OF DOCUMENTS CITED BY APPLICANT</p> <p>(Use several sheets if necessary)</p> <p style="text-align: center;">A1 of A1</p> </div> </div> |  |  |  | Applicant:<br>Robin Pierce Gardner |  |                          |  |
| Filing Date:<br>April 8, 2004  |  |  |  | Group:<br>2882                     |  |                          |  |

  

| U. S. PATENT DOCUMENTS |               |                 |          |         |       |          |                            |
|------------------------|---------------|-----------------|----------|---------|-------|----------|----------------------------|
| Examiner Initial       | Serial Number | Document Number | Date     | Name    | Class | Subclass | Filing Date if Appropriate |
|                        | 1.            | 4,764,677       | 08/16/88 | Spurney | 250   | 361      |                            |
|                        |               |                 |          |         |       |          |                            |
|                        |               |                 |          |         |       |          |                            |
|                        |               |                 |          |         |       |          |                            |

  

| FOREIGN PATENT DOCUMENTS |               |                 |      |         |       |          |                      |
|--------------------------|---------------|-----------------|------|---------|-------|----------|----------------------|
| Examiner Initial         | Serial Number | Document Number | Date | Country | Class | Subclass | Translation Yes   No |
|                          |               |                 |      |         |       |          |                      |
|                          |               |                 |      |         |       |          |                      |
|                          |               |                 |      |         |       |          |                      |
|                          |               |                 |      |         |       |          |                      |

  

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |  |  |
|--|--|--|
| 2.   | Bartholomew et al., "THE <sup>199</sup> Hg (n. γ) <sup>200</sup> Hg REACTION WITH THERMAL NEUTRONS," <i>Canadian Journal of Physics</i> <b>45</b> : 1517-1540 (1967).  |  |
| 3.   | Bartholomew et al., "SPINS OF LEVELS IN N <sup>15</sup> , Fe <sup>57</sup> , Cu <sup>64</sup> , Zr <sup>92</sup> , and Hg <sup>200</sup> BY NEUTRON CAPTURE γ -RAY DIRECTIONAL CORRELATIONS," <i>Nuclear Physics</i> <b>50</b> : 209-233 (1964). |  |
| 4.   | Hoogenboom. A.M., "A NEW METHOD IN GAMMA-RAY SPECTROSCOPY: A TWO CRYSTAL SCINTILLATION SPECTROMETER WITH IMPROVED RESOLUTION," <i>Nuclear Instruments</i> <b>3</b> : 57-68 (1958).   |  |
| 5.   | U.S. Application 10/820,633, R. P. Gardener, filed April 8, 2004   |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |